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WHAT IS CLAIMED IS:

1. A data communication control apparatus for controlling data communication among a plurality of connected communication terminals, comprising:

connecting means for connecting a general-purpose terminal;

image generating means for generating image data that conforms to the general-purpose terminal;

image distributing means for distributing the image data, which has been generated by said image generating means, to the general-purpose terminal via said connecting means;

audio converting means for converting format of audio data in order that the audio data may be communicated mutually between the general-purpose terminal and the plurality of communication terminals; and

audio distributing means for distributing the audio data, whose format has been converted by said audio converting means, to the communication terminals and/or general-purpose terminal.

2. The apparatus according to claim 1, wherein said audio distributing means distributes audio data, which has entered from the general-purpose terminal and whose format has been converted by said audio converting means, to the communication terminals, and distributes

audio data, which has entered from the communication terminals and whose format has been converted by said audio converting means, to the general-purpose terminal.

- 3. The apparatus according to claim 1, wherein said audio converting means converts a voice communication protocol in the audio data.
- 4. The apparatus according to claim 3, wherein a voice communication protocol that corresponds to the general-purpose terminal makes real-time communication possible.
- 10 5. The apparatus according to claim 4, wherein the voice communication protocol that corresponds to the general-purpose terminal is the Internet Protocol.
 - 6. The apparatus according to claim 5, wherein the voice communication protocol that corresponds to the
- 15 general-purpose terminal is the Real-Time Transfer Protocol.
 - 7. The apparatus according to claim 1, further comprising:

voice recognition means for recognizing voice data

that has entered from the communication terminals and
generating text data based upon this recognition; and

data distributing means for distributing the text data to the general-purpose terminal.

8. The apparatus according to claim 7, further
comprising voice synthesizing means for synthesizing
voice data based upon text data that has entered from

the general-purpose terminal;

wherein said audio distributing means distributes voice data, which has been synthesized by said voice synthesizing means, to the communication terminals.

- 5 9. The apparatus according to claim 1, wherein said connecting means connects the general-purpose terminal by the Internet Protocol.
 - 10. The apparatus according to claim 1, wherein said image generating means generates hypertext data.
- 10 11. The apparatus according to claim 10, wherein said image generating means generates hypertext data, including image data, based upon image data that has entered from the communication terminals.
- 12. The apparatus according to claim 11, wherein said image generating means generates HTML-format hypertext data.
 - 13. The apparatus according to claim 12, wherein said image distributing means is an HTTP server.
- 14. The apparatus according to claim 13, wherein said general-purpose terminal internally incorporates a www browser.
 - 15. The apparatus according to claim 1, wherein said communication terminals are dedicated videoconferencing terminals in compliance with any of ITU-T
- 25 Recommendations H.320, H.323 and H.324.
 - 16. The apparatus according to claim 15, wherein the

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data communication control apparatus is in compliance with ITU-T Recommendations H.231 and H.243.

17. The apparatus according to claim 1, wherein said image generating means generates still-picture data from moving-picture data.

18. The apparatus according to claim 17, wherein said image generating means generates still-picture data based upon a command from the general-purpose terminal.

19. A data communication control apparatus for controlling data communication among a plurality of connected communication terminals, comprising:

connecting means for connecting a general-purpose terminal;

image generating means for generating image data that conforms to the general-purpose terminal;

image distributing means for distributing the image data, which has been generated by said image generating means, to the general-purpose terminal via said connecting means;

voice recognition means for recognizing voice data that has entered from the communication terminals and generating text data based upon this recognition; and

data distributing means for distributing the text data to the general-purpose terminal.

25 20. The apparatus according to claim 19, wherein said data distributing means distributes the text data in

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real-time

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- 21. The apparatus according to claim 19, wherein said data distributing means distributes text data, which has entered from the general-purpose terminal, to the communication terminals.
- 22. The apparatus according to claim 19, wherein said voice recognition means generates text-chat data.
- 23. The apparatus according to claim 22, wherein said general-purpose terminal has a data conferencing
- 10 function based upon text-chat data.
 - 24. The apparatus according to claim 23, wherein the communication terminals have a data conferencing function based upon text-chat data.
- 25. The apparatus adcording to claim 22, wherein the text-chat data is in dompliance with ITU-T Recommendation T.120.
 - 26. The apparatus according to claim 19, wherein said connecting means connects the general-purpose terminal by the Internet Protocol.
- 27. The apparatus according to claim 26, wherein said image generating means generates HTML-format hypertext data, including image data, based upon image data that has entered from the communication terminals.
 - 28. The apparatus according to claim 27, wherein said
- 25 image distributing means is an HTTP server.
 - 29. The apparatus according to claim 19, wherein said

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communication terminals are dedicated videoconferencing terminals in compliance with any of ITU-T Recommendations H.320, H.323 and H.324.

30. The apparatus according to claim 29, wherein the data communication control apparatus is in compliance with ITU-T Recommendations H.231 and H.243.

A data communication control apparatus for controlling data communication among a plurality of connected communication terminals, comprising:

connecting means for connecting a general-purpose terminal;

image generating means for generating image data that conforms to the general-purpose terminal;

image distributing means for distributing the image

15 data, which has been generated by said image generating

means, to the general-purpose terminal via said

connecting means;

voice recognition means for recognizing first voice data that has entered from the communication terminals and generating text data based upon this recognition;

data distributing means for distributing the text data to the general-purpose terminal;

voice synthesizing means for synthesizing second voice data based upon text data that has entered from the general-purpose terminal; and

audio distributing means for distributing the

second voice data to the communication terminals.

- 32. The apparatus according to claim 31, wherein the general-purpose terminal has a data conferencing function based upon text-chat data.
- 5 33. The apparatus according to claim 32, wherein the text-chat data is in compliance with ITU-T Recommendation T.120.
 - 34. The apparatus according to claim 31, wherein said connecting means connects the general-purpose terminal by the Internet Protocol.
- 35. The apparatus according to claim 34, wherein said image generating means generates HTML-format hypertext data, including image data, based upon image data that has entered from the communication terminals.
- 15 36. The apparatus according to claim 35, wherein said image distributing means is an HTTP server.
 - 37. The apparatus according to claim 19, wherein said communication terminals are dedicated videoconferencing terminals in compliance with any of ITU-T
- 20 Recommendations H.320, H.323 and H.324.
 - 38. The apparatus according to claim 37, wherein the data communication control apparatus is in compliance with ITU-T Recommendations H.231 and H.243.
- 30. A control method in a data communication control
 25 apparatus for controlling data communication between a
 connected communication terminal and general-purpose

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terminal, comprising:

an image generating step of generating image data that conforms to the general-purpose terminal;

an image distributing step of distributing the image data, which has been generated at said image generating step, to the general-purpose terminal;

a first audio distributing step of converting format of audio data that has entered from the general-purpose terminal and distributing the audio data to the communication terminal; and

a second audio distributing step of converting format of audio data that has entered from the communication terminal and distributing the audio data to the general-purpose terminal.

A control method in a data communication control apparatus for controlling data communication between a connected communication terminal and general-purpose terminal, comprising:

an image generating step of generating image data 20 that conforms to the general-purpose terminal;

an image distributing step of distributing the image data, which has been generated at said image generating step, to the general-purpose terminal;

a voice recognition step of recognizing voice data that has entered from the communication terminal and generating text data based upon this recognition; and

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a data distributing step of distributing the text data to the general-purpose terminal.

A control method in a data communication control apparatus for controlling data communication between a connected communication terminal and general-purpose terminal, comprising:

an image generating step of generating image data that conforms to the general-purpose terminal;

an image distributing step of distributing the image data, which has been denerated at said image generating step, to the general-purpose terminal;

a voice recognition step of recognizing first voice data that has entered from the communication terminal and generating text data based upon this recognition;

a data distributing step of distributing the text data to the general-purpose terminal;

a voice synthesizing step of synthesizing second voice data based upon text data that has entered from the general-purpose terminal; and

an audio distributing step of distributing the second voice data to the communication terminal.

A data communication system in which a plurality of communication terminals are connected via a data communication control apparaths and data communication

is performed among said plurality of communication 25 terminals, wherein said data communication control

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apparatus comprises:

connecting means for connecting a general-purpose terminal;

image generating means for generating image data 5 that conforms to the general-purpose terminal;

image distributing means for distributing the image data, which has been generated by said image generating means, to the general-purpose terminal via said connecting means;

audio converting means for converting format of 10 audio data in order that the audio data may be communicated mutually between the general-purpose terminal and the plurality of communication terminals; and

audio distributing means for distributing the audio data, whose format has been converted by said audio converting means, to the communication terminals and/or general-purpose terminal.

A data communication syst/em in which a plurality of communication terminals are connected via a data communication control apparatus and data communication is performed among said pludality of communication terminals, wherein said data communication control apparatus comprises:

25 connecting means for connecting a general-purpose terminal;

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image generating means for generating image data that conforms to the general-purpose terminal;

image distributing means for distributing the image data, which has been generated by said image generating means, to the general purpose terminal via said connecting means;

voice recognition means for recognizing voice data that has entered from the communication terminals and generating text data based upon this recognition; and

data distributing means for distributing the text data to the general-purpose terminal.

A data communication system in which a plurality of communication terminals are connected via a data communication control apparatus and data communication is performed among said plurality of communication terminals, wherein said data communication control apparatus comprises:

connecting means for connecting a general-purpose terminal;

image generating means for generating image data that conforms to the general-purpose terminal;

image distributing means for distributing the image data, which has been generated by said image generating means, to the general-purpose terminal via said

25 connecting means;

voice recognition means for recognizing first voice

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data that has entered from the communication terminals and generating text data based upon this recognition;

data distributing means for distributing the text data to the general-purpose terminal;

voice synthesizing means for synthesizing second voice data based upon text data that has entered from the general-purpose terminal; and

audio distributing means for distributing the second voice data to the communication terminals.

10 4. A recording medium on which has been recorded program code of a control method in a data communication control apparatus for controlling data communication between a connected communication terminal and general-purpose terminal, said program code comprising at least:

code of an image generating step of generating image data that conforms to the general-purpose terminal;

code of an image distributing step of distributing the image data, which has been generated at said image generating step, to the general-purpose terminal;

code of a first audio distributing step of converting format of audio data that has entered from the general-purpose terminal and distributing the audio data to the communication terminal; and

code of a second audio distributing step of converting format of audio data that has entered from

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the communication terminal and distributing the audio data to the general-purpose terminal.

A recording medium on which has been recorded program code of a control method in a data communication control apparatus for controlling data communication between a connected communication terminal and general-purpose terminal, said program code comprising at least:

code of an image generating step of generating image data that conforms to the general-purpose terminal;

code of an image distributing step of distributing the image data, which has been generated at said image generating step, to the general-purpose terminal;

code of a voice recognition step of recognizing voice data that has entered from the communication terminal and generating text data based upon this recognition; and

code of a data distributing step of distributing the text data in real-time.

20 A recording medium on which has been recorded program code of a control method in a data communication control apparatus for controlling data communication between a connected communication terminal and general-purpose terminal, said program code comprising at least:

code of an image generating step of generating image data that conforms to the general-purpose

code of an image distributing step of distributing the image data, which has been generated at said image generating step, to the general-purpose terminal;

code of a voice recognition step of recognizing first voice data that has entered from the communication terminal and generating text data based upon this recognition;

code of a data distributing step of distributing the text data to the general-purpose terminal;

code of a voice synthesizing step of synthesizing second voice data based upon text data that has entered from the general-purpose terminal; and

code of an audio distributing step of distributing the second voice data to the communication terminal.

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